TUNNEL REROUTE

ABSTRACT OF THE DISCLOSURE

In a tunnel connecting a source node to a destination node, data transfer for the tunnel is enabled through a first path. The data transfer is enabled by reserving

5   resources in intermediate nodes in the first path between the source node and the destination node. Data transfer for the tunnel may be switched from the first path to a second path by reserving resources in intermediate nodes in the second path. If an intermediate node in the second path is shared by the second path and the first path, the resources reserved by the first path are shared by the second path. If an intermediate

10   node in the second path is not shared by the first path, resources are reserved by the second path. After resources are reserved in the second path and data transfer is enabled in the second path, data transfer for the tunnel is switched to the second path.